70, Key West (8th); 69, New Orleans (frequently) and Pensacola (6th); 68, Tampa (10th), Jacksonville (20th), Charleston (9th). The lowest minima were: 31, Idaho Falls (2d) and Marquette (5th); 32, Sault Ste. Marie (7th), Moorhead

(frequently), Huron and Williston (6th).

The years of highest maximum and lowest minimum temperatures for June are given in the last four columns of Table I of the Review for June, 1896. During the current month the maximum temperatures were equal to or above the highest on record at: Amarillo, Wichita, and Concordia, 102; Topeka and Savannah, 100; Duluth, 99; Omaha, Keokuk, and Davenport, 98; Kansas City, 97; St. Paul, 94. The minimum temperatures were equal to or below the lowest on record at: Marquette and Idaho Falls, 31; Sault Ste. Marie, 32; Duluth and La Crosse, 33; Green Bay, 34; Grand Haven, 37; Dubuque, 40; Columbia, Mo., 42; Washington, D. C., 43; Wichita, 44; Oklahoma and Springfield, Mo., 46; Kansas City, 48;

The greatest daily range of temperature and the data for computing the extreme and mean monthly ranges are given for each of the regular Weather Bureau stations in Table I. The largest values of the greatest daily ranges were: Williston and Idaho Falls, 45; Pueblo, 44; Carson City and Baker City, 41; Miles City, Denver, and Phoenix, 40. The smallest values were: Key West, 13; Hatteras, 14; San Diego, 15; Block Island, Woods Hole, and Corpus Christi, 16; Nantucket and Port Eads, 17; Galveston, Fort Canby, and Tatoosh

Island, 18; Eureka, 19.

Among the extreme monthly ranges the largest were: Williston, 69; Moorhead, 64; Bismarck, 62; Carson City and North Platte, 61; Salt Lake City, Huron, and Minneapolis, 60. The smallest values were: San Diego, 16; Key West and Tatoosh Island, 20; Port Eads, Jupiter, and Hatterss, 22.

Accumulated monthly departures from normal temperatures from January 1 to the end of the current month are given in the second column of the following table, and the average departures are given in the third column, for comparison with the departures of current conditions of vegetation from the normal condition.

Districts.	Accumulated departures.			Accumulated departures.	
	Total.	Aver- age.	Districts.	Total.	Aver- age.
New England Middle Atlantic South Atlantic Florida Peninsula East Gulf West Gulf Lower Lake Upper Lake Upper Mississippi Valley Missouri Valley Middle Slope Northern Plateau North Pacific	+ 0.7 + 1.1 + 1.4 + 1.1 + 5.1 + 1.4 + 6.2 + 1.2 + 0.6	0.5 + 0.5 + 0.1 + 0.2 + 0.2 + 0.2 + 0.3 + 1.0 + 0.1 + 0.4 + 1.5 + 0.1	Ohio Valley and Tenn North Dakota Northern Slope Southern Slope Southern Plateau Middle Plateau Middle Pacific South Pacific	- 5.6 - 0.2 - 0.6 - 4.5 - 5.6 - 2.2	0 - 0.8 - 0.9 - 0.0 - 0.1 - 0.8 - 0.9 - 0.4

MOISTURE.

The quantity of moisture in the atmosphere at any time may be expressed by the weight of the vapor coexisting with the air contained in a cubic foot of space, or by the tension or pressure of the vapor, or by the temperature of the dew-point. The mean dew-point for each station of the Weather Bureau, as deduced from observations made at 8 a. m. and 8 p. m., daily, is given in Table I.

is now published in Table I; it is always intermediate, and City, 1.23; Omaha, 1.43; Nashville, 1.82.

generally about half way between the temperature of the air and of the dew-point. The quantity of water evaporated in a unit of time from the muslin surface may be considered as depending essentially upon the wet-bulb temperature, the dew-point, and the wind.

The relative humidity, or the ratio between the moisture that is present in the air and the moisture that it would contain if saturated at its observed temperature is given in Table I as deduced from the 8 a. m. and 8 p. m. observations. The general average for a whole day or any other interval would properly be obtained from the data given by an evaporometer, but may also be obtained, approximately, from frequent observations of the relative humidity.

PRECIPITATION.

[In inches and hundredths.]

The distribution of precipitation for the current month, as determined by reports from about 2,500 stations, is exhibited on Chart III. The numerical details are given in Tables I, II, and III. The total precipitation for the current month was largest, exceeding 8 inches in a small portion of western Missouri; it exceeded 6 inches in central New England, central Florida, Georgia, and South Carolina, western Arkansas, and a large portion of Missouri. Little or no rain fell over the southern Plateau Region and southern California.

The larger values for regular stations were: Tampa, 8.46; Kansas City, 7.09; Cairo, 6.87; Concordia, 6.82; Hatteras,

5.76. In Canada, Bermuda, 9.57.

Details as to excessive precipitation are given in Tables XI

The diurnal variation, as shown by tables of hourly means of the total precipitation, deduced from the self-registering gauges kept at the regular stations of the Weather Bureau, is not now tabulated.

The current departures from the normal precipitation are given in Table I, which shows that precipitation was in excess in parts of Kansas, Missouri, Illinois, Wisconsin, and New England. It was especially deficient on the central Gulf coast, Iowa, and southern Kansas.

The large excesses were: Minneapolis, 5.2; Green Bay, 4.3; St. Paul, 3.8; Havre, 3.4; Cairo and Concordia, 2.4. large deficits were: Galveston, 4.5; Port Eads, 4.2.

The average departure for each district is given in Table I. By dividing each current precipitation by its respective normal the following corresponding percentages are obtained. (precipitation is in excess when the percentage of the normal exceeds 100):

Above the normal: New England, 107; North Dakota, 118; upper Mississippi, 111; southern Plateau, 179; northern Plateau, 135; north Pacific, 104; middle Pacific, 139.

Below the normal: Middle Atlantic, 78; south Atlantic, 84; Florida Peninsula, 84; east Gulf, 58; west Gulf, 69; Ohio Valley and Tennessee, 74; lower Lake, 75; upper Lake, 92; Missouri Valley, 95; northern Slope, 96; middle and southern Slopes, 94; middle Plateau, 55; south Pacific, 0.00.

In Canada, Professor R. F. Stupart says: "The rainfall has been above the average in British Columbia and over the greater portion of the Northwest Territories, on the higher lands of Ontario, in Prince Edward Island, over the greater part of Nova Scotia and in southern New Brunswick. Excessive rains fell during thunderstorms in Alberta and Assiniboia.

The years of greatest and least precipitation for June are given in the REVIEW for June, 1890. The precipitation The rate of evaporation from a special surface of water for the current month was the greatest on record at: on muslin at any moment determines the temperature of the wet-bulb thermometer. The mean wet-bulb temperature on record at: Port Eads, 0.00; Chattanooga, 1.03; Miles